

# Work Order ID 63239

Tuesday, October 26, 2010 9:02:04 AM

Page 1

Item ID: D3456-1

Accept

Setup Start

Revision ID:

Stop

Item Name: Washer

Start Date: 10/26/2010 Start Qty: ~~40.00~~ 100

Cust Item ID:

Required Date: 11/2/2010 Req'd Qty: 40.00

Customer:

Reference:

Approvals:

Process Plan: MF

Date: 10-10-26 Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D3456

Rev A

100

0.00



Purchasing

PURCHASING

Memo

0.00

Purchasing

Issue P/O: 12811 ☐ P/N: 91525A120 per Dwg D3456 ☐ Possible  
Supplier: McMaster-Carr ☐ Material release note is required

CZ 10/10/27 (100)

110

0.00



Packaging

Receive & Inspect for Damage & Mat'l Certs

Memo

0.00

Packaging

Ensure Material Release Note is attached

CZ 10/11/10 (100)

120

0.00



QC

QC6- Inspect dimensions to drawing

Memo

0.00

Quality Control

S 10/14/12

counter  
(4/00)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 63239

Tuesday, October 26, 2010 9:02:04 AM

Page 2

Item ID: D3456-1

Accept

Setup Start

Revision ID:

Stop

Item Name: Washer

Start Date: 10/26/2010 Start Qty: 40.00

Cust Item ID:

Required Date: 11/2/2010 Req'd Qty: 40.00

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

130

Identify as per dwg & Stock Location: SS

0.00



Packaging

Memo

0.00

Packaging

10/11/28 100%

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/11/03 MF 10-11-2

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Tuesday, October 26, 2010 9:02:04 AM

Page 1

Work Order ID: 63239



Parent Item: D3456-1



Parent Item Name: Washer

Start Date: 10/26/2010

Required Date: 11/2/2010

Start Qty: 40.00

Required Qty: 40.00

Comments: IPP A 05.10.03 ☐ New issue ☐ KJ/JLM ☐

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

91525A120

Purchased

No

100

Each

0.0000

1

40



washer



*C. J. JLM* 190

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

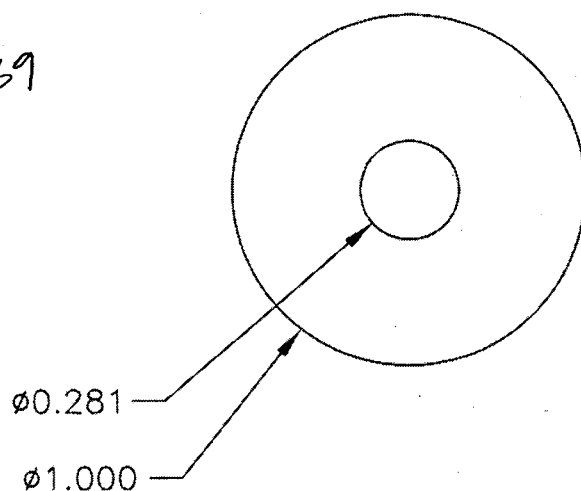


DESIGN CP	DRAWN BY CP	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3456	REV. A SHEET 1 OF 1
DATE 05.09.01		TITLE WASHER	SCALE 2:1
A	05.09.01	NEW ISSUE	

RELEASED  
05-09-06-*[Signature]*

## SPECIFICATION CONTROL DRAWING

#63239



### D3456-1 WASHER

- 1) MATERIAL: 316 STAINLESS STEEL, 0.050" THICK
- 2) MAY PURCHASE McMASTER-CARR P/N 91525A120
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

\*\*\*PO REPRINT\*\*\*

Purchase Order ID PO12811

Purchase Order Date 10/27/10

PO Print Date 10/28/10

Page Number 1 of 2

Order From :

VU-MCM001

MCMaster-CARR SUPPLY CO,  
P.O. BOX 7690  
CHICAGO, IL 60680-7690  
US

Contact Name  
Vendor Phone 330 995 5500  
Vendor Fax 330 995 9600  
Vendor Account Nbr

Buyer Chantal Lavoie  
Requisition Nbr  
Tax Resale Nbr 10127-2607  
Terms Net 30  
Currency USD  
FOB Destination-Collect

Ship To :

DART AEROSPACE LTD 1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA



Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	97633A120	RETAINING RING	11/01/10 Yes	100.00 Each	Purolator ground	\$0.0621	\$6.21
		Special Inst:	AS PER DWG D4201 REV. PA1 B63258 MCMaster P/N: 97633A120				
2	91525A120	washer	11/01/10 Yes	100.00 Each	Purolator ground	\$0.2916	\$29.16
		Special Inst:	AS PER DWG D3456 REV. A B63239 MCMaster P/N: 91525A120				
3		91251A353 10-32 CAP SCREW 2"	11/01/10 No	2.00	Purolator ground	\$5.0500	\$10.10
		Deliver To: FINISHING					
4		91251A360 10-32 CAP SCREW 3"	11/01/10 No	2.00	Purolator ground	\$7.5300	\$15.06

10/28/10



Purchase Order  
PO12811

Page 1 of 2

100 Aurora Industrial Parkway  
Aurora OH 44202  
30-995-5500  
le.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

McMaster-Carr Number  
7917251-01

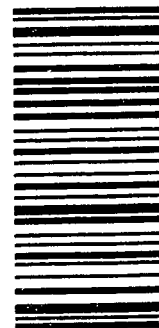
10/28/2010

A11

Line	Description	Ordered	Shipped		
	<b>97633A120</b> Black-Phosphate Steel External Retaining Ring, for 3/16" Shaft Diameter, Packs of 100	1 Pack	1	3 - 326 - 01	1
	Unit Price: \$6.21			<b>06 - 48</b> A120	-1 PK
	Extended Price: \$6.21				
2	<b>91525A120</b> Type 316 Stainless Steel Large-Diameter Flat Washer, 1/4" Screw Size, 1" OD, .04"-.06" Thick, Packs of 25	4 Packs	4	2 - 703	2
	Unit Price: \$7.29				
	Extended Price: \$29.16				
3	<b>91251A353</b> Black-Oxide Alloy Steel Socket Head Cap Screw, - 10-32 Thread, 2" Length, Packs of 25	2 Packs	2	2 - 681	3
	Unit Price: \$5.05				
	Extended Price: \$10.10				
4	<b>91251A360</b> Black-Oxide Alloy Steel Socket Head Cap Screw, 10-32 Thread, 3" Length, Packs of 25	2 Packs	2	2 - 681	4
	Unit Price: \$7.53				
	Extended Price: \$15.06				

Dart Aerospace Ltd

EXP



4 lbs  
4 lines

Sm

12x7x5

FW1BSP42  
10/28/2010  
12:55/13:07  
632  
Cycle 40

SS-R-0707

0130746625660

